AI-BIO

Distinguish the gender, estimate the age and recognize the emotion using face analysis

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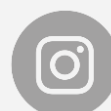The Vision of the future. Now.

AI-BIO

AI-BIO is the video analytics application able to detect faces and distinguish the gender, estimate the age and recognize the emotion (in a specific instant of time) of one or more persons using deep neural networks. In addition, **AI-BIO** can provide the dwell time of a person in front of the camera.

The analysis of the face to anonymously extract biometrics features is performed through an advanced artificial intelligence technique based on multitask learning.
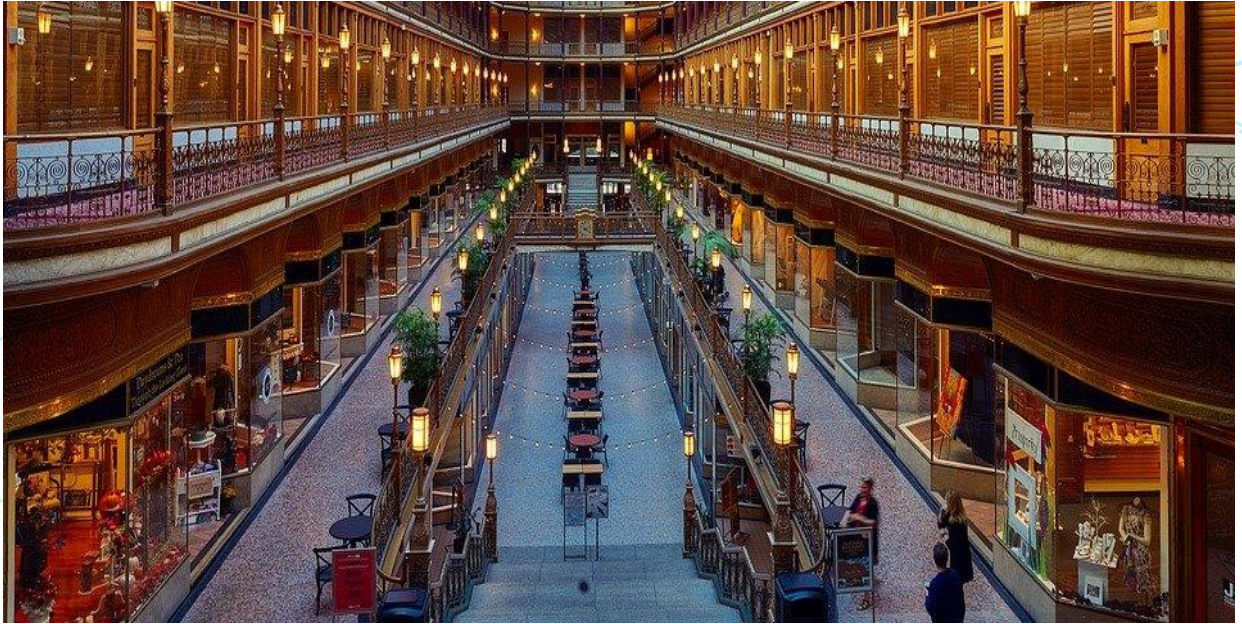
The application requires that the camera is mounted at a height of about 1.80 meters, so that people's faces are captured frontally.

AI-BIO USE CASE

AI-BIO is the video analytics solution designed to meet the needs of marketers, e.g. in buildings, museums, restaurants, shops, malls, airports and parks, but more generally in all those situations in which it is essential to know both the number of people crowding your sales area and to profile your customers.

This information allows, for instance, a store chain which is launching a new product to know the target audience that may be interested and their reaction while looking at the product for the first time. **AI-BIO** is also a key solution for *Digital Signage*.
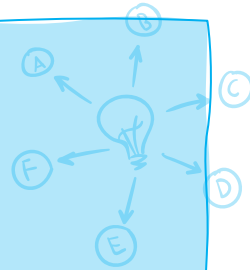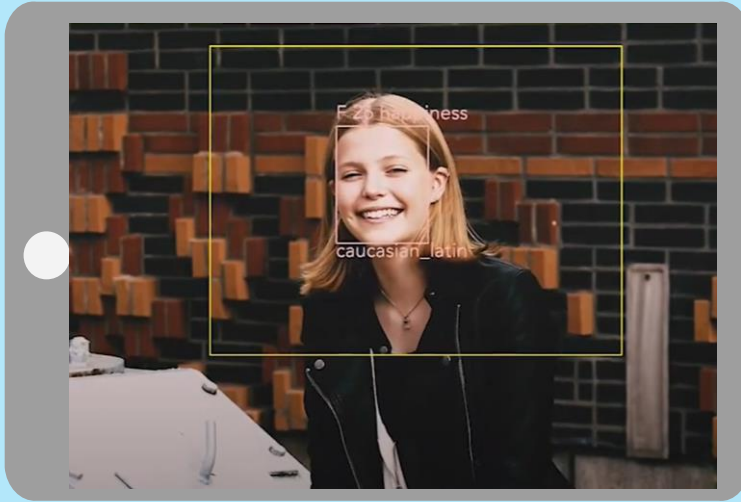
Today the monitors displaying advertising content are becoming very popular; however, they always show the same messages in a loop without any customization.

AI-BIO allows to maximize the effectiveness of advertising campaigns, thanks to the possibility of showing content that suits the person who is looking at the monitor.

In such a scenario, it is extremely useful to assess the impact and the effectiveness of advertising content by understanding the emotion of a person that is watching it and evaluating the dwell time.

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ARCHITECTURE
Where can we install the app?

The detailed list of specific compatible platforms can be reached via the link on the right.

Edge　　**Embedded**　　**Server**

INTEGRATION
Where can we notify the events generated by the app?

Events can be sent to external servers using over 20 different mechanisms, which include third-party VMSs, standard protocols (such as HTTP, FTP, MODBUS and MQTT) and also A.I. Tech proprietary protocols, which allow the notification of events to the dashboards of A.I. Tech. More information via the link on the right.

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